

Diethyl phenylphosphonate

Other names:	di-n-Octyl phenylphosphonate Phosphonic acid, phenyl-, dioctyl ester Benzenephosphonic acid, dioctyl ester Phenylphosphonic acid dioctyl ester
Inchi:	InChI=1S/C22H39O3P/c1-3-5-7-9-11-16-20-24-26(23,22-18-14-13-15-19-22)25-21-17-12
InchiKey:	HAKMAMKAFTZXOZ-UHFFFAOYSA-N
Formula:	C22H39O3P
SMILES:	CCCCCCCCOP(=O)(OCCCCCCCC)c1ccccc1
Mol. weight [g/mol]:	382.52
CAS:	1754-47-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-12.97		Crippen Method
logp	7.259		Crippen Method
mcvol	335.150	ml/mol	McGowan Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1754478&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/96-113-0/Dioctyl-phenylphosphonate.pdf>

Generated by Cheméo on 2025-12-05 11:32:55.446315542 +0000 UTC m=+4682572.976356209.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.